



WOODLANDS ACADEMY
OF THE SACRED HEART

EMPOWERED
GIRLS *Change*
THE WORLD



Curriculum GUIDE
2019-2020



FOREWORD

Woodlands Academy, a Sacred Heart School and member of a worldwide network of schools, offers an education that is marked by a distinctive spirit.

“It is of the essence of a Sacred Heart School that it be deeply concerned for each student’s total development: spiritual, intellectual, emotional, and physical. It is of the essence of a Sacred Heart School that it emphasize serious study, that it educate to social responsibility, and that it lay the foundations of a strong faith.”

—From the “*Goals and Criteria for the Sacred Heart Schools in the United States*”

Woodlands Academy shares the *Goals and Criteria* of all Sacred Heart Schools, which provide a framework within which each school develops specific objectives. These Goals and Criteria are the basis upon which our Curriculum, articulated in the following pages, is built, with a special emphasis on the Second Goal Statement that cites “a deep respect for intellectual values.” The Criteria for this Goal have been delineated as follows:

1. The school develops and implements a curriculum based on the *Goals and Criteria*, educational research, and ongoing evaluation.
2. The school provides a rigorous education that incorporates all forms of critical thinking and inspires a lifelong love of learning.
3. The school program develops aesthetic values and the creative use of the imagination.
4. The faculty utilizes a variety of teaching and learning strategies that recognizes the individual needs of the students.
5. The school provides ongoing professional development for faculty and staff.
6. Members of the school community model and teach ethical and respectful use of technology.

Christine Schmidt
Principal

Rocco Gargiulo
Assistant Principal

CURRICULUM GUIDE – INTRODUCTION

Consistent with the Goals and Criteria for Sacred Heart education, the goal of the Academic Program of Woodlands Academy is to instill in our students a deep respect for intellectual values, academic integrity, and a lifelong passion for learning.

Woodlands Academy provides a college preparatory program that is intellectually challenging and prepares students to live cooperatively in a global society. We teach our students to:

- Think critically and creatively;
- See connections among ideas and data;
- Problem-solve in myriad different situations;
- Express themselves articulately with poise, clarity, and dignity;
- Use technology effectively and appropriately; and
- Recognize the value of reflective thinking.

The atmosphere of Woodlands Academy is conducive to learning and stimulates engaged thinking and analysis. It promotes the active exchange of thoughts and ideas among students and between students and faculty.

WOODLANDS ACADEMY GRADUATION REQUIREMENTS

Each student must take a minimum of seven (7) credits per year. A minimum of 28 credits is required for graduation. In addition, students must complete a yearly service and Global Odyssey requirement.

<u>DEPARTMENT</u>	<u>REQUIRED CREDIT</u>	<u>RECOMMENDED CREDIT</u>
English	4 credits	4 credits
Fine Arts	2 credits	2 credits
International Language	3 credits in one language	4 credits
Social Studies	3 credits	4 credits
Mathematics	3 credits	4 credits
Physical Education	4 credits	4 credits
Theology	3 credits	3 credits
Science	3 credits	4 credits
Electives	3 credits	3 credits

SERVICE PROGRAM

In order to foster a sense of selfless service to others, Woodlands Academy commits itself to instilling a social awareness that impels the student to action. Freshmen are required to do **10 hours** of service during the second semester. Sophomores, juniors, and seniors are required to do **20 hours** of service per year. These service hours are a **graduation requirement**. It is our hope that with this as a foundation, every graduate will integrate this value into her life.

SPECIAL PROGRAMS

Student Development Program

This four year student development curriculum is based upon the American School Counseling Association (ASCA) National Model and state standards. While various topics are touched upon in advisory, retreats, college skills classes, health classes, and other venues, it is through participation in their seminars, that the students will be introduced to academic, social /emotional, and college/career competencies. In keeping with our Sacred Heart Goals and Criteria, the goal of this program is to present students with information about living a healthy life-style, creating balance in their life, and finding the resources to reach their full potential in our global society.

Advanced Placement Program

Woodlands Academy offers Advanced Placement courses in 21 subjects: Art – 2D, Art - Drawing, Art History, Biology, Calculus AB, Calculus BC, Comparative Government and Politics, Computer Science A, English Language, English Literature, French Language, Human Geography, Macroeconomics, Microeconomics, Music Theory, Physics, Psychology, Spanish Language, Statistics, World History, and U.S. History. The school requires that all students taking Advanced Placement courses sit for the College Board exams in May. Not doing so will result in an automatic failure of the course. Students may only take AP exams for the courses in which they are enrolled. *Note: The College Board charges a fee for all AP exams, including AP Art. The school bills families for this fee during the first semester of the school year.*

Global Scholars Program

Students with demonstrated interest in global issues and affairs can apply to be a Global Scholar at Woodlands Academy. Students commit to rigorous coursework and language study, as well as participation in service to a global community and extracurricular activities.

Global Odyssey

Students have a unique opportunity to engage with and experience the world through the Global Odyssey program. After final assessments each year, all Woodlands students will participate in either a class or a trip that develops her global competence.

Independent Study Program

This program is designed for juniors and seniors who are highly motivated and organized and who have a passion to pursue a subject or topic in great depth. The student designs her program in conjunction with a member of the faculty who acts as facilitator to the student. The burden of responsibility for learning falls directly upon the student. Students interested in developing an independent study course must first meet with the Assistant Principal, who will provide guidance through the development of a proposal. The Assistant Principal will give the final approval of the proposed course, faculty facilitator, means of assessment, and amount of credit granted.

Junior and Senior College Skills

This program provides ongoing preparation and guidelines to help students make intelligent choices about college and career and offers guidance in pursuing possible opportunities that best suits the individual student.

ACT/SAT/TOEFL Prep Classes

Each year, programs for test preparations will be offered to juniors and international students.

English as a Second Language (ESL)

The ESL course sequence is designed to help our international students improve their English language skills. It provides a supportive environment that focuses students' individual language needs and enables them to develop the cultural understanding and performance skills necessary to function appropriately and successfully in both academic and social situations. Students are required to take the TOEFL test yearly, and they must remain in ESL classes until they score 80 on the test, a common minimum score required by selective U.S. colleges and universities for admission.

Learning Program (LP)

The Learning Program (LP) at Woodlands Academy offers supportive services for students who require a more structured and individualized approach to a college preparatory curriculum. For over 30 years, this unique program has helped students with mild, learning disabilities and other disorders achieve success and accomplish their goals. The program focuses on growing empathy, advocacy, skill development and empowerment. Learning Program specialists provide individualized instruction during regularly scheduled periods. Students are also mainstreamed in their academic classes. A Student Support Plan is written on the basis of a student's diagnostic profile and learning needs.

LP specialists collaborate and consult with teachers and advisors to facilitate understanding of student needs and maximize student success. Ultimately, in accordance with Sacred Heart Goals, students develop a deep respect for intellectual values, grow in self-knowledge, and develop self-confidence as they learn to deal realistically with their strengths and unique gifts.

Driver Education

This course is the standard State of Illinois-approved program of both classroom and behind-the-wheel instruction. Adams School of Driving comes to our campus each semester to teach an after-school Driver Education program.

Student Exchange Program

Through the Network of Sacred Heart Schools, students from Woodlands Academy may apply to study in another part of the country at one of the other Sacred Heart schools or at one of our schools in another part of the world.

Summer School Courses

Every summer Woodlands Academy offers a small selection of for-credit semester classes as well as sports camps. Grades earned by WA students in summer courses taken at Woodlands will be included in a student's grade point average. Students must seek approval from the Assistant Principal ahead of time to receive credit for summer courses taken elsewhere. Grades received in non-Woodlands summer school courses are not included in a student's grade point average.

Online Courses or Correspondence Study

Woodlands Academy will accept only **one full credit** of course work per year through online courses or correspondence study. Such courses must receive the prior approval of the Assistant Principal.

NCAA Guidelines

Abiding by the NCAA Eligibility Center's regulations and policies is an essential step in becoming eligible to play college sports. Students planning to play or receive a scholarship at the Division I or Division II level must register and be cleared by NCAA. While most of WA's core courses are approved by NCAA, it is important that you check with the Principal's office to make sure your four-year course plan will meet all the requirements. Failure to meet requirements could result in you not being able to play Division I or Division II sports in college. Ultimately, it is your responsibility to ensure you have met the NCAA eligibility requirements. Information, including the full guide for the college-Bound Student-Athlete can be found at:

<http://www.ncaa.org/student-athletes/future/want-play-college-sports>

For information on which WA courses have been approved by NCAA, please see the Registrar or Principal.

Sophie Connect

Sophie Connect is a partnership among the Sacred Heart high schools. These courses will be on-line, taught by teachers in our Sacred Heart schools. They are designed for highly motivated students who may be interested in courses not offered on-site at Woodlands. There is a fee for these courses, due upon registration. Students must receive the prior approval of the Assistant Principal before registration. International students must also seek approval from the International Student Advisor. A separate course listing will be provided.

COURSE LEVELS

Woodlands Academy is a college preparatory school with a strong academic program. In line with the Goals and Criteria of Woodlands Academy, the curriculum is designed to meet the various needs and demonstrated skills of its students. In order to do this, a course level system exists. The level system is flexible and does not confine a student to a given level for all courses. The four levels are: Advanced Placement, Honors, College Prep Level 1, and College Prep Level 2. Placement in these levels is based upon the demonstrated skill development and intellectual maturity necessary to succeed.

Course Numbers

Each course has a number code. These numbers appear both in the Curriculum Guide and on student schedules in My Backpack.



The first two letters represent the discipline, the first number indicates the grade level for that class, and the final number indicates the level of the class. (0 = Honors Level, 1 = CP1 Level, 2 = CP2 Level, and 5 = Advanced Placement Level).



General Descriptions of Course Levels

	College Preparatory 2 (CP2)	College Preparatory 1 (CP1)	Honors & Advanced Placement (AP)
Class Structure	Classes are explicitly structured. Teacher facilitates independent inquiry.	Classes are structured with increased expectations for independent inquiry with instructor support.	Independent inquiry expected. AP courses are aligned with the College Board curriculum.
Instructional Approach	Instructional strategies promote frequent review of content and skills. Support is provided to assist student use of critical thinking skills. The development of abstract and independent thinking is promoted through the use of concrete examples.	Instructional strategies promote both content and skill review. Students are proactive learners who consistently use critical thinking skills to complete course assignments and engage in class activities. Creative and critical thinking is supported.	Foundational skills are expected. Student completes content review independently. Students are independent, self-motivated learners who are able to complete assignments with minimal guidance. Strategies focus on acquisition and mastery of advanced concepts and analytical skills.
Assignments	Up to 30-45 minutes of homework/study per class meeting. Students may need to utilize resources or seek assistance outside of class to complete assignments.	Up to 30-45 minutes of homework/study per class meeting. Limited guidance needed to complete assignments. Students generally work independently to successfully complete assignments.	45-60+ minutes of homework/study per class meeting. Students are able to work independently and/or cooperatively with others to complete assignments. Significant learning occurs outside of class. Assignments emphasize depth of content.
Assessments	Active class participation and consistent preparation are required. Assessments emphasize basic skills with increasing focus on open-ended conceptual questions.	Active class participation and consistent preparation are required. Assessments are less focused on basic skills and more focused on application and analysis of content.	Active class participation is required and reflects preparation and synthesis of content. Assessments require application, analysis, and synthesis of content. Students in an AP class are required to take the AP exam in May.
Grade Points	Standard grade points are earned.	Standard grade points are earned.	0.5 grade points are added to grades earned in Honors level classes. 1.0 grade points are added to grades earned in AP level classes.

ENGLISH DEPARTMENT

EN100, 101, 102 (Freshman)

Literature and Composition: Honors, CP1, CP2 Levels

In Literature and Composition class, students will learn to identify basic parts, facts, or particular elements of a text in order to comprehend its holistic nature. Students will practice the beginning stages of analyzing those elements through personal, inter-textual, or global constructions in order to derive meaning. Students will be able to craft a purposeful thesis statement, construct an organized and clear five paragraph essay using transitions, clear language, and effective introductions and conclusions. Skills will be strengthened through various literary genres, which include plays, graphic novels, epic poetry, and non-fiction. Students will experience authors from around the world, and from ancient to contemporary times.

EN103

ESL Literature and Composition: CP1 Level

This course is required for ESL I students and replaces Literature and Composition for freshman students. Students will study a variety of literary genres and read works from a wide array of cultures at appropriate reading levels. The course is designed to increase students' reading and writing fluency, as well as foster confidence in their developing English skills. Through composition work, students will learn about prewriting, organizing, drafting and revising.

EN200, 201, 202 (Sophomore)

World Literature: Honors, CP1, CP2 Levels

In World Literature and Composition class, students will be able to apply conventions of culture, content, and genre to specific texts while analyzing them through construction of personal, intertextual, or global meanings. Students will also be able to synthesize a text and begin to feel confident determining how craft or style contributes to the meaning of a text. Students will continue to develop purposeful thesis statements as well as use the five-paragraph essay structure as a starting point for breaking into new forms of academic writing. Students will continue to strengthen their writing using transitions, clear language, and effective introductions and conclusions. Skills will be strengthened through various literary genres, which include novels, Shakespearian plays, epic poetry, and short stories, and students will also be introduced to critical theory. Students will experience authors from across cultures, backgrounds, and centuries, proving them a wide range of voices and perspectives.

EN305 (Junior)

AP Language and Composition: AP Level

This college-level class is a yearlong study of inquiry, analysis, and informed argument. The texts are primarily focused on the Americas, and units are structured both chronologically and thematically as we read primary source documents along with later authors looking back on a specific time period. Texts from a variety of genres—both fiction and nonfiction—are examined for their audience, rhetorical structure, and purpose, and students use this study of master writers to also inform and improve their own writing for a variety of purposes. Through this, students learn about the breadth of experiences and opinions in the world as they work to strengthen their own views as informed citizens able to engage in meaningful conversations. Students will prepare for the AP Language exam, which focuses on close reading, argumentative writing, and rhetorical analysis.

EN311, 312 (Junior)**American Literature: CP1, CP2 Levels**

In American Literature and Composition class, students will be able to infer the purpose of a text, critique its effectiveness, and contemplate its contribution and relevance to the diverse cultures within the Americas. Students will continue to apply conventions of culture, content, and genre to specific texts while analyzing them through construction of personal, intertextual, or global meanings. Students will practice using sophisticated formulas to structure their arguments in a clear and persuasive manner, as a way to begin developing their own authentic voice and style. Students will continue to engage with genres such as novels, short stories, plays, and poems, and they will be challenged through new non-fiction genres such as letters, essays, speeches, and nature writing.

EN400, 401 (Senior)**British Literature: Honors, CP1 Levels**

In this one semester class, students will be able to infer the deeper meanings of complicated texts, identify how meaning is created, and form their own sophisticated opinions about its effectiveness. Students will continue to analyze the conventions of culture, content, and genre as they apply to specific texts while also positioning them within larger personal, intertextual, or global meanings. Students will move beyond formulaic writing to develop their own voice and style in a variety of contexts, while still maintaining a clear and persuasive point. Students will survey texts from the Early Middle Ages through the Modern period in British and Irish literature and continue to engage with genres such as novels, short stories, plays and poems; they will be challenged by the complexity of the texts and their historical language.

EN405 (Senior)**AP English Literature: AP Level**

This intensive, yearlong, college-level course is focused primarily on British Literature and is organized chronologically. Each unit explores a variety of literary forms and represents a distinct literary epoch (Classical, Renaissance, Enlightenment, etc.). While the majority of the primary texts are canonical (Shakespeare, Chaucer, Shelley, Austen), the course also aims to give students a wide variety of voices and perspectives through more contemporary sources. Lastly, a significant component of the AP class is geared towards having students hone their in-class writing and test-taking skills to prepare for the College Board examination in May which focuses on close reading, inference, literary devices, and analytical writing.

EN410, 411 (Senior)**Creative Writing: Honors, CP1 Levels**

This one semester elective is designed to develop strong and creative writers and thinkers. Students devote substantial time to writing, and work together to give and receive feedback in order to revise their work. Students write in a variety of genres and create a writing portfolio. Students also read a variety of fiction, poetry, memoir, and creative non-fiction.

EN421 (Senior)**Rhetoric & Creative Writing: CP1 Level**

This year-long elective is designed to prepare students for college-level academic writing while also supporting creativity and the development of an authentic writing “voice.” Through analysis of a range of articles and essays, students will hone their critical thinking and media analysis skills. In the first semester, they will investigate a contemporary topic of interest, formulate a thesis, and write a formal research paper. Opportunities to write and publish in a range of genres are also emphasized. As a community of writers, students will explore approaches to writing poetry, fiction, drama, and creative nonfiction as well as academic papers.

EN470, 471 (Senior)**Women in Shakespeare: Honors, CP1 Levels**

This one-semester course offers students the opportunity to explore the roles and functions of women in Shakespeare’s major works. Through close reading, writing, and dramatization, students determine how and why these engaging female characters—Juliet, Beatrice, Rosalind, Desdemona, Lady Macbeth, Katherine, and Ophelia — continue to speak to contemporary audiences and inform issues surrounding women today.

FINE ARTS DEPARTMENT

AA101 (Freshmen, Sophomores, Juniors, Seniors)

Art I Semester I: CP1 Level

This semester course introduces the basic elements of visual art. Students will develop drawing skills in cartooning, illustration, collage, and printmaking and will be engaged in observational drawing and process-based projects. Students will learn about mark making, tonal value, perspective, proportion, and composition. Various drawing media like pencil, ink, colored pencil, and charcoal will be explored. Students will also be introduced to the art historical context of these methods and techniques. Students will learn how to analyze, critique, and improve their work.

AA111 (Freshmen, Sophomores, Juniors, Seniors)

Art I Semester II: CP1 Level

This semester course introduces color theory and painting media in visual art. Students will develop painting skills in cartooning, illustration, and master copies and will be engaged in observational painting and process-based projects. Students will develop painting skills in watercolor, acrylic, and water mixable oil paint. Color theory will be stressed with an introduction to hue, value, intensity, the color wheel, color palette development and the law of simultaneous contrast.

AA121 (Sophomores, Juniors, Seniors)

2D & Digital Design: CP1 Level

This year-long course introduces students to the basic elements and principles of 2-dimensional design. Students will develop design skills in both physical 2D mediums as well as in digital formats. Two-dimensional mediums include drawing, gouache painting, and collage. The digital portion of the class will use Adobe Photoshop and Illustrator. Students will also learn how to analyze and critique visual images. The history of modern design will also be covered in lectures and projects.

AA201 (Sophomores, Juniors, Seniors)

Art II Semester I: CP1 Level (Prerequisite: AA101, AA111)

In this semester course, students focus on intermediate drawing skills, narratives, and compositions while working with a variety of media. Students will continue to develop drawing skills in cartooning, illustration, and master copies and will be engaged in observational drawing and process-based projects. Students will investigate both historical and contemporary artists and begin to identify sources of inspiration. Students will continue to assess and critique their own work as well as the work of other students.

AA211 (Sophomores, Juniors, Seniors)

Art II Semester II: CP1 Level (Prerequisite AA101, AA111, AA201)

In this semester course, students focus on intermediate painting skills, narratives, and compositions while working with a variety of media. Students will continue to develop painting skills in cartooning, illustration, and master copies and will be engaged in observational painting and process-based projects. Students will hone painting skills in watercolor, acrylic, and water mixable oil paint. Students will investigate both historical and contemporary artists and begin to identify sources of inspiration. Students will continue to assess and critique their own work as well as the work of other students.

AA301 (First Semester) (Juniors, Seniors)

AA311 (Second Semester) (Juniors, Seniors)

Art III: CP1 Level (Prerequisite: AA101, AA111, AA201, AA211)

This advanced art course seeks to develop previously acquired skills in drawing and painting including color theory, composition, value, narrative, and forms of perspective. The class emphasizes an individual approach to student work and encourages an awareness of personal style while exploring new ideas and concepts.

AA405 – AP Art: 2D (Juniors, Seniors)

AA415 – AP Art: Drawing (Juniors, Seniors)

Advanced Placement Art: AP Level

This yearlong course is designed for highly motivated students with a serious interest in any of the visual arts, i.e., drawing and painting, ceramics, design, and photography. Students submit portfolios for evaluation by the College Board at the end of the school year. Students are expected to work both in and outside the classroom and beyond scheduled periods. Maintaining a sketchbook and participating in individual and group critiques are required. AP Art addresses three major concerns: quality of work, concentration on a particular visual interest or problem, and range of formal, technical, and expressive artistic means.

AC101 (Freshmen, Sophomores, Juniors, Seniors)

Ceramics I Fall Semester: CP1 Level

This studio course is designed to provide an introduction to the ceramics studio and clay construction. Lessons include the limits and possibilities of the materials, the clay cycle, hand-building methods, sculpting, and surface decoration techniques. Students will develop skills in coil, pinch, slab and other hand-building techniques. Basic studio practices will be introduced, and the students will explore personal narrative as a source of inspiration.

AC111 (Freshmen, Sophomores, Juniors, Seniors)

Ceramics I Spring Semester: CP1 Level

This studio course will provide an introduction to the potter's wheel. Students will apply knowledge of materials and tools to create more advanced functional and sculptural work. Historical and contemporary ceramics serve as sources of inspiration.

AC201 (First Semester) (Sophomores, Juniors, Seniors)

AC211 (Second Semester) (Sophomores, Juniors, Seniors)

Ceramics II: CP1 Level (Prerequisite: AC101, AC111)

This course will focus on intermediate wheel throwing and hand building techniques. A concentration will be on aesthetic decisions and control of the material. Students will create works with a theme, narrative and functional use. Students will take on a greater role in making clay and loading the kiln.

AC301 (First Semester) (Juniors, Seniors)

AC311 (Second Semester) (Juniors, Seniors)

Ceramics III: CP1 Level (Prerequisite: AC101, AC111, AC201, AC211)

This studio course is designed to engage students in developing original concepts with an emphasis on planning and engineering. Students are encouraged to develop techniques that foster personal expression, working toward developing a cohesive series of ceramic artwork.

AC401 (Juniors, Seniors)**Ceramics IV: CP1 Level (Prerequisite: AC301 & AC311)**

This studio course provides students with the opportunity to work independently and to participate in weekly constructive critiques. Students meet with the instructor individually to set specific goals related to each project. They are encouraged to choose methods and materials that enable them to express their individual talents.

AM101 (First Semester) (Freshmen, Sophomores, Juniors, Seniors)**AM111 (Second Semester) (Freshmen, Sophomores, Juniors, Seniors)****Performing Arts Chorus: CP1 Level**

This course is designed to give each student practical experience in choral rehearsal and performance, and to improve understanding, appreciation, and enjoyment of a wide variety of choral music. Emphasis will be on sight-reading and ear-training activities. Participation is required in all major concerts. Students wishing to be actively involved in our choral program are strongly encouraged to enroll in this class for at least one year.

AM400 (Sophomores, Juniors, & Seniors)**Music Theory: Honors Level (Prerequisite: previous enrollment in music organizations/classes)****AM405 (Seniors; Juniors and Sophomores with teacher consent)****Advanced Placement Music Theory: AP Level (Prerequisite: previous enrollment in music organizations/classes and consent of the department)**

This year long course is designed for advanced music students and for those students wishing to prepare for the AP Music Theory exam. Students should exhibit strong music-reading skills. The curriculum includes basic music fundamentals, diatonic and non-diatonic scales, modes, intervals, chords, key signatures, cadences, non-harmonic tones, melodic organization, the development of sight-reading and aural recognition skills, four-part harmony writing and visual analysis, music texture, voice leading, harmonic progressions and rhythm, seventh chords, modulation, music form, and composition and improvisation.

AP101 (Freshmen, Sophomores, Juniors, Seniors)**Photography I: CP1 Level**

This beginning level course introduces the technical, aesthetic and historic aspects of fine art photography. Students will explore the use of the camera, darkroom and digital media as tools towards personal expression. Basic skills will be taught along with alternative printing techniques, lighting, and digital imaging. Class critiques and the study of historic and contemporary photographers are fundamental components of this course.

AP201 (Sophomores, Juniors, Seniors)**Photography II: CP1 Level (Prerequisite: Photography I or equivalent/consent of department)**

This yearlong course will provide the opportunity for students to refine their photographic techniques and expand their knowledge of photographic processes. Students are encouraged to work in digital media as well as traditionally based film processes. Emphasis is on increasing one's visual vocabulary while also identifying a personal style in one's work.

AP301 (Juniors, Seniors)

Photography III: CP1 Level (Prerequisite: Photography II or equivalent/consent of department)

The objective of this advanced course in photography is to further challenge each student to develop and refine her artistic ability. Knowledge of more advanced techniques in lighting and printing will be emphasized along with alternative photographic processes. Students will work in both analogue and digital photography as they identify a personal style that reflects a unique artistic sensibility. Once identified, each student will develop a body of work that demonstrates thematic unity and technical skill.

FA111 (Required of Freshmen)

Introduction to Fine Arts: CP1 Level

This year-long course is composed of one marking period each of visual art, music, dance, and computer coding. The art section provides an introduction to the fundamentals of art and aesthetics through studio art lessons including: drawing, painting, printmaking, photography, ceramics and a brief survey of art history and current trends. The music section presents an overview of the elements of music, with attention to the history of musical theatre, basic elements of theory, singing, and appreciation of music styles. The dance section offers a view of movement from analytic, historic and artistic perspectives with a focus on the mind-body connection emphasizing the cognitive and emotional benefits. Students experience a wide variety of disciplines such as yoga, Latin dancing, Irish step dancing and ballet. The computer coding section introduces students to logic and programming. At the end of each marking period, the students in all four disciplines present collaborative projects to the rest of the freshmen class.

OR101 (Freshmen, Sophomores, Juniors, Seniors)

Instrumental Ensemble: CP1 Level (Prerequisite: Some previous experience playing a wind, string, or percussion instrument, including piano)

Instrumental Ensemble is a class that allows students to participate as a member of the award-winning Woodlands Academy Orchestra throughout the school year and during our annual music department trip in the Spring. The course is open to all students who have some basic knowledge of an instrument as well as those who have advanced musical skills. This is an “early bird” class that meets under the following schedule:

Full Ensemble (all members): Monday-Friday 7:25-8:05am

Sectionals (select members): Held periodically throughout the year by announcement.

A wide variety of musical works from all periods, including contemporary styles, are performed and parts are adjusted to suit a student’s skill level. In addition, basic music theory and techniques are studied, in school and at home. Along with ensemble playing, focus is also on individual development and progress through daily practice, both in school and at home. All sheet music and individual instrument training recordings are available on the class website and should be used outside of class time to enhance each student’s learning experience.

Participation is required at all major concerts (two per year), and there are many opportunities for small ensemble or solo work at community, school, and contest events.

INTERNATIONAL LANGUAGES DEPARTMENT

FC101

Mandarin Chinese Level I: CP1 Level

FC200

Mandarin Chinese Level II: Honors Level (Prerequisite: Chinese I)

FC300

Mandarin Chinese Level III: Honors Level (Prerequisite: Chinese I and II)

FC400

Mandarin Chinese Level IV: Honors Level (Prerequisite: Chinese I, II and III)

Middlebury Interactive offers these digital/online Chinese courses for our Woodlands students. The offerings provide varying levels of immersion methodology to accommodate different world language objectives and learning styles and are designed with the goal of language proficiency, aligned with national standards set by the American Council on the Teaching of Foreign Languages.

In these online Chinese courses, students focus on the four key areas of Mandarin Chinese study: listening, speaking, reading and writing. The extensive use of authentic video, audio, images or texts allows for a contextualized and interactive experience with the vocabulary and linguistic structures. Courses actively engage students in completing a variety of activities, practices, tasks and assessments. Cultural information relevant to Chinese-speaking countries and communities and robust cross-cultural reflections are infused throughout the materials from beginning to end. Recognition and practice of simplified Chinese characters are a key focus of the course, and students learn several characters in each unit. Pinyin is often presented with characters to aid in listening and reading comprehension.

FE101

ESL I: CP1 Level

This course is designed for the advanced beginner to intermediate student. This course teaches basic grammar concepts, vocabulary and word study, sentence and paragraph structure, pronunciation, and dialogue. Students will practice reading, writing, speaking, and listening skills.

FE201

ESL II: CP1 Level (Prerequisite: ESL I or teacher placement)

This course is designed for the high intermediate to advanced student and teaches advanced grammar concepts and rules, vocabulary and word usage, complex sentence structures, and pronunciation skills, in conjunction with reading and writing projects.

FE301, 303

ESL III/Advanced ESL: CP1 Level (Prerequisite: ESL I and II or teacher placement)

This course is designed for the advanced student who has not yet achieved the minimum TOEFL score of 80 necessary for college applications. This course is primarily TOEFL test preparation. Students will practice the skills of reading, writing, listening and speaking, in the context of the TOEFL test and real-life situations.

FF101**French I: CP1 Level**

This first-year course introduces the student to the excitement of a new language and to learning French vocabulary and grammar. Throughout the course, students will compare and contrast French and English vocabulary and grammar, noting the French influence on English and noting differences and similarities between the two languages and between the two cultures. Writing skills are developed by writing stories in class and through traditional dictées, language games, and textbook exercises.

FF200, 201**French II: Honors, CP1 Levels (Prerequisite: French I)**

This course offers reinforcement and continued development of skills that the student learned in French I. The study of grammatical structures, the present and past tense, vocabulary, idiomatic expressions, and culture are the focus of the class. Students will be writing dictées, dialogues and descriptive paragraphs, giving individual presentations, practicing with listening exercises, and using other interactive cultural materials to help reinforce student learning. The emphasis of the class continues to be the development of listening, speaking, reading, and writing skills in French in a cultural and conversational context.

FF300, 301**French III: Honors, CP1 Levels (Prerequisite: French II)**

This course continues the study of French language and culture. At the beginning of the year, there is an intensive review of the essentials of French grammar and vocabulary of French I and II. Though the focus of the course continues to be the development of the speaking, writing, reading, and listening skills, in the third-year class the grammatical structures and vocabulary become more abstract. Among the grammatical structures that students learn is the imparfait which they contrast to the passé composé. In addition, they are introduced to the future, si-clauses, and reflexive verbs. Students will be writing and presenting dialogues, writing dictées and compositions, giving individual presentations, and practicing with listening and writing exercises.

FF400, 401**French IV: Honors, CP1 Levels (Prerequisite: French I, II, and at least a “C” in French III)**

This course emphasizes refinement of language skills by focusing on modern French's idiomatic and formal expression through articles, films, and video clips chosen by the instructor. The students begin the fourth-year class focusing primarily on grammatical concepts and new vocabulary which they find in their readings and incorporate into their written compositions and spoken French throughout the year. Students view films connected to the units studied and begin writing essays that use their critical thinking, grammar, and vocabulary skills. Short stories or plays may play a role in the course curriculum, depending on the unit studied, with the objective of exposing students to as much authentic francophone culture as possible.

FF405

Advanced Placement French Language: AP Level (Prerequisite: At least “B+” in French IV Honors)

The AP French Language course is designed to prepare the student of the AP French Language and Culture exam in the spring. The first semester consists of an intensive grammar review, discussions of summer reading material, and an overview of communication components which dovetail with sections of the AP French Language and Culture exam. The final exam for first semester will contain reading passages and questions in AP exam format. The second semester addresses the exam components directly: (1) Interpretive Communication Skills (reading print texts and responding to questions, reading print texts and listening to accompanying audio texts, listening to audio texts alone and responding to written questions); (2) Interpersonal Communication Skills (speaking in response to an aural prompt, replying to formal e-mails in formal written language); (3) Presentational Communication Skills (writing a 2-page persuasive essay in French, making oral presentations in French).

FF500, 501

French V: Honors, CP1 Levels (Prerequisite: At least a “B-” in French IV and consent of the department)

The goal of this course is to refine the student’s listening, speaking, reading, and writing skills in French. A student in this class is not expected to take the AP French Language and Culture exam. The curriculum of this class is designed to fit individual needs while still meeting some of the rigorous demands of the AP Language and Culture course. This course centers on a theme chosen yearly by the individual students and the instructor.

FL101

Latin I: CP1 Level

This course introduces students to the Latin language with an emphasis on reading, but also incorporates listening, speaking and writing. Students will gain a strong knowledge of the structure of the Latin language and Latin’s and English’s shared vocabulary roots. Students will study a wide range of Latin authors and Roman history, geography and culture, including Roman religion and mythology.

FL200, 201

Latin II: Honors, CP1 Levels (Prerequisite: Latin I)

This course continues the study of the Latin language and Latin writers. Students will read Latin writings from the Early Middle ages through the Renaissance as well as a classical biography. Latin II will place a strong emphasis on Latin’s relationship to English. Students will study aspects of Medieval, Renaissance and Early Modern life, heroes of classical mythology and will explore the influence of Latin on our contemporary world.

FL300, 301

Latin III: Honors, CP1 Levels (Prerequisite: Latin I and II)

This course will focus on the Golden Age of Latin literature with a little dip into the Silver Age through the prose writers Cicero and Pliny and the poets Ovid, Catullus and Horace. Students will study highly divergent aspects of Roman life in order to contextualize the avidly attended public oratory of Cicero and the intimately self-expressive poetry of Catullus.

FL400**Latin IV: Honors Level (Prerequisite: Latin I, II, and III)**

This course will focus on two works of literature: Caesar's *Gallic Wars* and Virgil's *Aeneid*. Through the lens of these texts, we will explore literature's power to entertain and to be used for political gain. Students will have the opportunity, not only to read these works, but to design and develop projects which the literature inspires.

FL500**Latin V: Honors Level (Prerequisite: Latin I, II, III, and IV)**

This independent-study advanced Latin course will focus on Latin writers such as Terence, Plautus and Livy. At least one Medieval or Renaissance writer mutually agreed upon by the student and teacher will be selected for study. This course will include in-depth study of the early Roman Republic.

FS101**Spanish I: CP1 Level**

This is a beginning course in the study of the Spanish language and culture. The course emphasizes speaking and listening in the target language, with in-context vocabulary learning, inductive grammar presentations, and regular practice of reading and writing. Throughout the year, the course covers different aspects of the culture, civilization, geography, and history of the Hispanic world.

FS200, 201**Spanish II: Honors, CP1 Levels (Prerequisite: Spanish I)**

In this course, students continue to develop their skills in listening, speaking, reading, and writing. Their vocabulary and knowledge of grammar continue to expand. More emphasis is placed on personal expression through group discussions and longer and more complex written assignments. The student is further exposed to the geography, culture, and civilization of Spanish-speaking countries. Students are also introduced to literature in the form of a short novel.

FS300, 301**Spanish III: Honors, CP1 Levels (Prerequisite: Spanish I and II)**

This course is designed to improve and expand students' knowledge of the Spanish language and culture acquired during the two preceding courses. All skills (listening, speaking, reading, and writing) continue to be covered, with particular emphasis on more complex personal expression, both oral and written. A variety of topics dealing with culture and present-day concerns will be presented. Students will continue to expand their knowledge of vocabulary and grammar and will apply them in meaningful situations. Students will continue learning about the history and literature of the Hispanic world. Students will continue their exploration of literature in the reading of a short novel.

FS400**Spanish IV Pre-AP: Honors Level (Prerequisite: Spanish I, II, and at least a “B+” in Spanish III Honors or consent of department)**

This course emphasizes the utilization and expansion of previously learned language skills through literary texts, newspaper and magazine articles, videos, and films. Grammar is reviewed in greater detail. Students are expected to listen, read, talk, and write about various topics in the target language. Group projects, individual presentations, and short papers are integral to this course. Students read short stories, poetry, and a full-length novel in the target language.

FS410, 411 (Juniors, Seniors)**Hispanic Civilization and Culture: Honors, CP1 Levels (Prerequisite: Spanish III)**

The class is designed for advanced students who are interested in learning about the Hispanic culture and the roots of Hispanic civilization. Students are introduced to traditional cultural topics of daily life issues found in the Hispanic world. They learn about the origins of the Hispanic culture in the Americas and aspects of family, religion, and customs in the Hispanic world. Readings are in Spanish. Class discussion will be in both English and Spanish to facilitate understanding.

FS420, 421 (Juniors, Seniors)**Current Topics in the Hispanic World: Honors, CP1 Levels (Prerequisite: Spanish III)**

The second semester class is designed for advanced students who are interested in current events in Latin America and Spain. They will be learning about revolutionary movements of the 20th century that have contributed to current political conditions, educational programs and systems, and economics and poverty in the Hispanic World. This semester-long class is open to Juniors and Seniors who have successfully completed at least three years of high school Spanish. Readings are in Spanish. Class discussion will be in both English and Spanish to facilitate understanding.

FS430, 431 (Juniors, Seniors)**Spanish Literature and Conversation: Honors, CP1 Levels (Prerequisite: Spanish III)**

This course is open only to junior and seniors who have successfully completed at least three years of high school Spanish. Students will learn about the Hispanic culture through short stories, poetry and art from the 13th century through the 20th century. They will read a variety of authors, from Don Juan Manuel to Sor Juana Inés de la Cruz and Jorge Luis Borges. Students will learn about Spanish art from Goya, Velázquez and El Greco.

FS505**Advanced Placement Spanish Language and Culture: AP Level (Prerequisite: at least a “B+” in Spanish IV Honors or consent of department)**

This year-long course is designed to prepare students for the Spanish Language and Culture AP exam. During the year, students continue to refine their overall knowledge of the language. Students improve their listening and speaking skills by using authentic materials and by preparing descriptions and simulated conversations on a regular basis. Class discussions, debates, and presentations serve to deepen the students’ understanding of the themes of the course and are conducted entirely in Spanish.

MATHEMATICS & COMPUTER SCIENCE DEPARTMENT

MA100, 101, 102

Algebra I: Honors, CP1, CP2 Levels

This course covers an introduction to probability and statistics, operations on rational numbers, working with algebraic expressions, solving equations and inequalities, graphing in the four-quadrant plane, solving systems of equations, operations on polynomials, factoring techniques, operations on rational expressions, operations on radicals, and work with quadratic equations. Applications and the use of a graphing calculator are woven throughout the course. In the Honors Level section, students solve more challenging problems and explore topics in greater depth.

MA121

Computer Programming I: CP1 Level

(Prerequisite: None)

This one semester course is designed to expose students to essential computer science concepts through the Alice software developed by Carnegie Mellon University. This software creates an environment for students to create 3D animated movies and simple 3D games. Alice's animations are created using programming tiles which correspond to standard statements in programming languages such as Java, C++, and C#. This supporting and engaging environment will allow the student to grasp the fundamentals of object-oriented programming and enable a smooth transition to programming in commercially-used languages. Students will study planning and storyboarding, world-level methods, parameters, object-level methods, events and event-handlers, decision design, logical constructs, and loops.

MA131

Computer Programming II: CP1 Level

(Prerequisite: Successful completion of Computer Programming I)

Computer Programming II is a one semester course designed to prepare students to program in the Java language. The course is project based and will use an entry level Java compiler called BlueJ. This compiler will allow students to create their own Java programs and applications. Students will learn the syntax of the Java programming language while learning to design, implement, and test their own programs. Key computer science concepts will be taught and reinforced throughout the course. Topics to be covered include: methods, classes, parameters, inheritance, events and event-handlers, decision design, logical constructs, and loops.

MA200, 201, 202

Geometry: Honors, CP1, CP2 Levels

(Prerequisite for Honors: Algebra I Honors with a grade of at least "C" and consent of department)

This course covers plane and solid geometrical skills, including spatial visualization, measurement, and inductive and deductive reasoning. The following topics are used to develop these skills: lines, points, and planes; angles, triangles, and polygons; circles; parallelism, congruence, and similarity; perimeter, area, and volume. The emphasis on geometric proofs varies according to the level. A brief introduction to right triangle trigonometry is included at all levels. The CP2 Level section emphasizes practical problems in geometry and inductive reasoning.

MA121

Computer Programming: CP1 Level

This year long course is designed to extend students' understanding of computer science concepts learned in their Freshman Fine Arts Coding class. Students will initially work in the Alice 3 software developed by Carnegie Mellon University. Students will use Alice 3 in the early portions of the course to engage with computer science concepts like random behavior, events and event-handlers, decision design, logical constructs, and loops. As the course progresses, students will transition from the Alice 3 IDE to an industry standard Java compiler called NetBeans. During this transition, students will be able to work on Alice 3 worlds and animation projects, but with the new challenge of authentically learning and applying the Java programming language and syntax. Students will revisit their understandings of methods, classes, and parameters, as well as extend their knowledge into Java's Class structure, hierarchy, and inheritance.

MA300

Algebra II/Trigonometry: Honors Level

(Prerequisite: Geometry Honors with a grade of at least "C" and consent of department)

This course assumes the student comprehends the concepts, and demonstrates competency in the skills of Algebra I. In addition to studying the traditional topics of Algebra I at a more advanced level, students will study complex numbers, exponential and logarithmic functions, complex fractions, and conic sections. Students will further their skills in solving equations algebraically and graphically both longhand and with the use of the graphing calculator. This course covers a thorough study of trigonometry.

MA301

Algebra II: CP1 Level

(Prerequisite: successful completion of Geometry and consent of department)

This course assumes the student comprehends the concepts, and demonstrates competency in the skills of Algebra I. In addition to studying the traditional topics of Algebra I at a more advanced level, students will study complex numbers, exponential and logarithmic functions, complex fractions, and conic sections. Students will further their skills in solving equations algebraically and graphically, both longhand, and with the use of the graphing calculator.

MA302

Algebra II: CP2 Level

(Prerequisite: successful completion of Algebra I)

In this course the traditional topics of Algebra I are covered at a more advanced level with additional review provided of basic Algebra I. Students will study complex numbers, exponential and logarithmic functions, complex fractions, and conic sections. Students will further their skills in solving equations algebraically, and graphically, both longhand and with the use of the graphing calculator.

MA305

Advanced Placement Statistics: AP Level

(Prerequisite: Algebra II & Trigonometry Honors or Pre-Calculus Honors with a grade of at least “B” and consent of department OR Pre-Calculus CP1 with a grade of at least “B+” and consent of department)

This AP Level Statistics course follows the College Board AP Statistics outline. It consists of a full academic year of study introducing students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. Students who successfully complete the course and pass the AP exam with a score of 3 or higher may receive credit and/or advanced placement for a one-semester college statistics course.

MA400

Pre-Calculus: Honors Level

(Prerequisite: Algebra II & Trigonometry Honors with a grade of at least “B-” and consent of department)

This class assumes the student has a working knowledge of trigonometry. The class includes an overview of basic algebra skills using fairly sophisticated expressions, solving equations and inequalities; advanced topics in trigonometry and analytic geometry; analyzing functions (especially graphical transformations); finding zeros of polynomial functions; graphing rational functions; working with transcendental functions (exponential and logarithmic); solving systems of equations (including matrix-based techniques); working with sequences and series; exploring the binomial theorem; and as much work with limits as time permits. Relevant graphing calculator skills are presented and practiced throughout the course.

MA401

Pre-Calculus: CP1 Level

(Prerequisite: Algebra II CP1 Level with a grade of at least “C” and consent of department)

The course includes an overview of basic algebra, a thorough exploration of topics in trigonometry, analyzing functions (especially graphical transformations), finding zeros of polynomial functions, graphing rational functions, working with transcendental functions (exponential and logarithmic), solving systems of equations (including matrix-based techniques), working with sequences and series, and exploring the binomial theorem. If time permits, the class also includes polar graphing. Relevant graphing calculator skills are presented and practiced throughout the course.

MA405

Advanced Placement Calculus AB: AP Level

(Prerequisite: Pre-Calculus Honors with a grade of at least “B” and consent of department)

This AP Level calculus course follows the College Board AP Level Mathematics: Calculus AB outline. This course consists of a full academic year of work in differential and integral calculus. Calculus AB is primarily concerned with an intuitive understanding of the concepts of calculus. Students will approach topics graphically, numerically, analytically and verbally. Students who successfully complete the course and pass the AP exam with a score of 3 or higher may receive credit and/or advanced placement toward one semester of college calculus.

MA411

College Algebra: CP2 Level

(Prerequisite: Successful completion of Algebra II and consent of department)

This course is a continuation of topics from the Algebra I, Geometry, and Algebra II curriculum. Through structured support with organization and note-taking, students have the opportunity to learn algebraic concepts to increase their problem solving skills. Topics include but are not limited to: trigonometry, polynomial, rational, exponential, and logarithmic functions, and systems of equations and inequalities. The instruction is designed and paced in a way to help students both learn and retain mathematical concepts while preparing them for college level mathematics. Relevant graphing calculator skills are presented and practiced throughout the course.

MA505

Advanced Placement Calculus BC: AP Level

(Prerequisite: AP Calculus AB with a grade of at least “B” and consent of department.)

This one semester AP level course consists of work in differential and integral calculus and polynomial approximations and series. Calculus BC deepens the understanding of AP Calculus AB course material and explores additional topics including parametric, polar and vector functions, series and Taylor polynomials. Students who successfully complete the course and pass the AP exam with a score of 3 or higher may receive credit and/or advanced placement for two semester college calculus courses.

PHYSICAL WELLNESS DEPARTMENT

Physical Wellness (Freshmen, Sophomores, Juniors and Seniors)

PW101 (First Semester)

PW111 (Second Semester)

This is a full year course required for freshmen, sophomores, juniors, and seniors. Emphasis is placed on lifelong health and wellness. In physical education, basic skill development, fitness, good sportsmanship, teamwork, knowledge of rules and strategies, and enjoyment of physical activity are desired outcomes. Students participate in a variety of individual and team activities including: aerobics, fitness, archery, tennis, floor hockey, soccer, flag football, volleyball, basketball, badminton, pickle ball, softball, and ultimate Frisbee. Additional new activities may be added on a yearly basis. Assessments of fitness levels are done throughout the year.

Extracurricular sports offerings include field hockey, tennis, volleyball, basketball, softball and soccer. During a sport's season, the sophomore, junior, and senior team members are exempt from attending the PE portion of this class. The instructor will provide more specific information. Opportunities for leadership exist through the Girls' Recreation Association. The GRA assists in classes, sponsors other athletic activities, and plans the annual sports awards ceremony.

Health Education (Freshmen, Sophomores, Juniors and Seniors)

9th Grade: PH101 (First Semester), PH111 (Second Semester)

10th Grade: PH201 (First Semester), PH211 (Second Semester)

11th Grade: PH301 (First Semester)

12th Grade: PH411 (Second Semester)

In health education, nutrition, diet, eating disorders, fitness, social and emotional health, first aid, CPR training, substance abuse, circulatory and respiratory systems, reproductive systems, healthy relationships, abstinence, communicable and noncommunicable diseases, and sexually transmitted diseases are some of the topics discussed. Emphasis is placed on recognizing the health risks of certain behaviors and making wise decisions. During the second semester, juniors will use class time to work closely with the college counselor. Seniors will work with the college counselor during the first semester and focus on college and life skills during the second semester.

CS300

Junior College Skills

In this pass/fail course, students work to identify their strengths and weaknesses (both academic and non-academic), their values, their personalities, and their interests, and relate them to what they need and desire from a college environment. Students will collect, analyze, and synthesize information about colleges and universities in the United States and abroad.

CS400

Senior College Skills

In this pass/fail course, students will continue the college search process by analyzing how admission decisions are made and will evaluate themselves with respect to their own contributions to a prospective college community. They will work to complete the application process to selected colleges and financial aid, if appropriate, in an effective and timely manner. Students will be able to present themselves in a positive manner both in writing and in person, as well as be prepared to make informed decisions about their future goals and aspirations.

SCIENCE DEPARTMENT

SC110, 111

Physics I: Honors, CP1 Level

This is the first course in the required science sequence. Introductory physics utilizes inquiry based laboratory activities to explore topics such as forces, motion, matter and energy, electricity and magnetism, waves, sound light and optics. The course integrates the use of algebra, scientific reasoning, hands-on techniques and collaborative learning skills. Physics I is designed to provide a solid foundation for understanding both chemistry and biology.

SC200

Chemistry Honors Level (Prerequisite: Grade of "A" in Physics I, and consent of department)

This rigorous course is an intensive study of the structure of matter, energy, relationships, and interrelationships of the elements. The states of matter, dynamic equilibrium, acid-base theory and chemical reactions are studied in depth. Topics are investigated in both qualitative and quantitative terms. Development of laboratory skills is considered a significant part of this course.

SC201

Chemistry: CP1 Level (Prerequisite: Completion of Physics I)

This introductory college prep course includes major concepts necessary to provide a solid foundation in understanding modern chemistry and preparing students for higher level science course work. Students will study the following topics using laboratory activities, inquiry and problem solving skills: the nature of atoms and matter at the molecular level, properties and behavior of gases, the modern periodic table, Stoichiometry, solutions and solubility, and selected organic topics. The course addresses the role of chemistry in the context of technology and society in the twenty first century.

SC205

Chemistry: AP Level (Prerequisite: Grade of "B" or higher in Chemistry Honors; consent of the department)

The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students are required to take the Advanced Placement exam in May.

SC305 (Juniors, Seniors)

Advanced Placement Biology: AP Level (Prerequisite: Grade of "B+" or higher in Physics I and Chemistry; grade of "A-" or higher in Honors Biology; consent of the department; Statistics is strongly encouraged.)

This senior year biology course is the equivalent of a college introductory course for biology majors. It emphasizes scientific inquiry and reasoning. The curriculum is framed around four major ideas: the process of evolution drives the diversity and unity of life, biological systems utilize energy and molecular building blocks to grow, reproduce, and maintain homeostasis, living systems retrieve, transmit, and respond to information essential to life processes, and biological systems interact, and these interactions possess complex properties. Students are required to take the Advanced Placement exam in May.

SC311

Biology I: CP1 (Prerequisite: Physics I and Chemistry I)

This is a junior year introductory biology class designed to provide a solid foundation in major branches of biology. The course stresses scientific inquiry in a laboratory setting with emphasis on the processes of twenty first century biology. Topics include principles of cellular and molecular biology, biotechnologies, modern genetics, evolutionary change and introduction to ecological connections.

SC320

Biology I: Pre-AP/Honors (Prerequisite: Grade of “A” in Physics I and Chemistry)

This is a junior year introductory biology class designed to provide a solid foundation for students planning on taking AP Biology senior year. Major themes include Science as a Process, Energy Transfer, Evolution, Continuity and Change, Relationship of Structure to Function, Regulation, Interdependence in Nature, and Science, Technology and Society.

SC410, 411 (First Semester)

SC420, 421 (Second Semester)

Astronomy: Honors, CP1 Levels (Senior elective)

Astronomy is the study of phenomena outside of planet Earth. The first semester will focus on the night sky, a brief history of astronomy, our solar system, and extrasolar planets. The second semester will focus on the sun, stars, and cosmology. In both semesters, astronomy software and night sky observations will be used to collect and analyze data, and current events in astronomy will be discussed.

SC430, 431 (First Semester)

SC440, 441 (Second Semester)

Environmental Science: Honors, CP1 Levels (Senior elective)

This elective is a study of connections in nature. It examines how the environment is being used and abused and what individuals can do to protect and improve it. The following topics will be covered: ecological principles, energy resources, pollution and human impact on the environment, conservation and sustainability. This course will include a field of study and analysis of a local community.

SC480, 481

Astronomy: Honors, CP1 Levels (Senior elective)

This course in astronomy is intended for both the enthusiast as well as those wishing to pursue further study in the field. The curriculum will be primarily qualitative in nature, with some basic mathematics and physics concepts being introduced when necessary or appropriate. Topics of study will include: the fundamentals of astronomy; an introduction to the tools and techniques of modern astronomical observations; and historical development of our understanding of the Solar System as well as an introduction to extrasolar systems; the formation, nature, evolution, and death of stars; the interstellar medium; our Milky Way Galaxy; normal and active galaxies; large scale structure of the universe, and; modern ideas in cosmology and the early universe.

SC491

Forensic Science: CP1 Level

This one-semester elective embraces all of the scientific disciplines that are utilized in forensic investigations with the goal of bringing criminals to justice. Students learn about the kinds of evidence found at crime scenes and how the evidence is collected, processed, and analyzed. During lab time, students learn to perform various forensic techniques including fingerprint identification, blood identification, hair and fiber analysis, DNA profiles, and trace analysis.

SC505

AP Physics I: AP Level (Prerequisite: Grade of “B” or higher in Physics I, Chemistry, and Biology and consent of department)

Physics models the interactions of matter, energy, space and time via fundamental laws. AP Physics I follows the “Six Big Ideas” of physics and focuses on using algebra, geometry and trigonometry to solve problems and model physical laws. This course covers topics in kinematics, dynamics, circular motion and gravitation, energy, momentum, rotation motion and rotational dynamics, electrostatics and circuits, and waves. Students are required to take the College Board AP Physics I exam in May.

SOCIAL STUDIES DEPARTMENT

SS100 (Freshmen)

World Studies I: Honors Level

In this course, students will explore the historical development of people, places, and patterns of life from ancient times until 1200 A.D. in terms of the impact on Western civilization. The study of history rests on knowledge of dates, names, places, events, and ideas. Historical understanding, however, requires students to engage in historical thinking: to raise questions and marshal evidence in support of their answers. Students engaged in historical thinking draw upon chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision making. These skills are developed through the study of significant historical substance from the era or society being studied.

World Studies I and II

The two-year World Studies curriculum is an in-depth, global examination of human society. After completing the course, students will have gained a deep knowledge of global history, culture, and the connections between societies across the globe. Additionally, students will develop critical and historical thinking skills with a focus on written expression.

SS101, 102 (Required for Freshmen)

World Studies I: CP1, CP2 Levels

Freshmen will begin with an examination of the origins and early development of human society followed by the geography, history, culture and current events of the regions of Sub-Saharan Africa, South Asia, North Africa & the Middle East.

SS221, 222 (Required for Sophomores)

World Studies II: CP1, CP2 Levels

Sophomores will continue the exploration of the world by examining the regions of East Asia & Oceania, the Americas, and Europe.

SS225 (Sophomores)

AP World History - Modern: AP Level (Prerequisite: World Studies Honors with a grade of B+ or above and consent of department)

The AP World History course focuses on developing students' understanding of world history from approximately 1200A.D. to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

SS211, 212 (Juniors, Seniors)**Psychology: CP1, CP2 Levels**

Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological principles and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

SS230, 231 (Seniors)**Modern World Topics: Honors, CP1 Levels**

This one semester course is designed to introduce students to all sides of contemporary global and domestic controversies in an objective and comprehensive manner. A variety of resources will be used, and student involvement is emphasized in this course. Each student should leave with an expanded knowledge of the world around her.

SS241, 242 (Juniors, Seniors)**Sociology: CP1, CP2 Levels**

Sociology is designed to introduce students to the systematic and scientific study of human social behavior. Students are exposed to the sociological facts, principles, and phenomena associated with each of the major subfields within sociology. They also learn about the ethics and methods sociologists use in their science and practice.

SS301, 302 (Juniors)**United States History: CP1, CP2 Levels**

The U.S. History course develops students' understanding of American history from approximately 1491 to the present. The course requires students to investigate the content of U.S. history for significant events, individuals, developments, and processes. The course also asks students to explore and make connections among historical developments in different times and places, allowing them to see and understand United States history within the context of the wider history of the world.

SS305 (Juniors, Seniors)**AP U.S. History: AP Level (A grade of 'B+' or better in World Studies II or AP World History and consent of department)**

The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

SS405 (Sophomores, Juniors, Seniors)

AP Psychology: AP Level

This is a college-level course survey course with a curriculum determined by the College Board. The course of study includes the major subfields of psychology: the gathering and evaluation of evidence relating to human behavior, neuroscience, human development, sensation and perception, states of consciousness, learning and memory, intelligence, motivation, emotion, social psychology, personality, and the understanding and evaluation of theories with regard to the causation and treatment of disorders. Students will be prepared to take the advanced placement Psychology exam in May.

SS410, 411 (Seniors)

American Government: Honors, CP1 Levels

Students will learn the structure, functions, powers and principles of the United States government as codified in the Constitution. Students will study the origins of our political system, its founding principles, how the functions and powers of the government have changed over time and how they are practiced today.

SS420, 421 (Seniors)

Civil Rights/Holocaust: Honors, CP1 Levels (Prerequisite: U.S. History and Modern European History)

This one semester class studies the problems of racism and discrimination as seen through the episodes of the African-American Civil Rights struggle in the 1950s and 1960s, and the Holocaust during World War II.

SS440, 441 (Seniors)

The History of Regency England: Honors, CP1 Levels

This one semester course uses the novels *Sense and Sensibility* and *Persuasion* by Jane Austen as primary sources to explore the wider history of the Regency period of English history. Discussions will cover the social, political, and economic aspects of the era and the continued interest in the period.

SS470, 471 (Seniors)

Women in World History: Honors, CP1 Levels

This one semester course is intended to increase student understanding of the history and experiences of women around the world and in the United States. It principally focuses on the ways in which gender interacts with race/ethnicity, social class, religion, age, nationality and other cultural identities to create differences and similarities in gendered lives. Students will critically examine and compare through a multidisciplinary approach the voices and experiences of women representing both domestic and global diversities. The students will analyze the divergent roles of women in ancient civilizations, Africa, the Ottoman Empire, India, China, Europe and the United States in attempts to ascertain cultural norms regarding gender roles.

SS500, 501 (Seniors)

Economics: Honors, CP1 Levels

Students will become familiar with the operations of the United States economic system in this one semester course. They will also explore the roles of various components of the American economic system; consumer, worker, employer, entrepreneur, investor and voting citizen. Topics of discussion include the stock market, comparative economic systems, and the impact of political and social decisions on the economy.

SS510, 511 (Seniors)**Entrepreneurship & Economics: Honors, CPI Levels**

The course introduces students to the world of entrepreneurship through the development of the entrepreneurial mindset. The focus will be on starting and running a new business venture. Students will analyze the entrepreneurial process of formulating, planning, and implementing new business ventures and opportunities. In conjunction, the fundamental concepts of microeconomics will be covered to provide students with an understanding of the financial aspects and issues that confront entrepreneurs when developing financial plans and controls for their business venture.

SS520, 521 (Seniors)**Macroeconomics: Honors, CPI Levels**

Macroeconomics provides students with a thorough understanding of the principles of economics and how economists use those principles to examine aggregate economic behavior. Students learn how the measures of economic performance, such as gross domestic product (GDP), inflation, and unemployment are constructed and how to apply them to evaluate the macroeconomic conditions of an economy.

THEOLOGY DEPARTMENT

TH101 (Required Freshman Religion)

World Religions: CP1 Level

In the multi-cultural and multi-religious world in which we live, it is critical that individuals have a basic understanding for the variety of belief systems that surround us. This semester course will offer students the opportunity to explore the history, beliefs, and practices of various religious traditions throughout the world and reflect on their continued relevance for today. By exploring world religions with their similarities and differences, students will come to appreciate the diversity of ways that people have come to experience God in their midst.

TH111 (Required Freshman Religion)

Hebrew Scriptures: CP1 Level

This semester course focuses on the sacred scriptures of Judaism, one of the world's earliest religions. The students are introduced to the Tanakh which includes the Torah as well as the sacred books containing the Writings and the Prophets. The students will explore the Hebrew Scriptures' account of how the ancient people known as the Israelites became aware of a personal God who is not separate from history, but rather, is directly involved in the everyday experiences of life. As students examine the Hebrew Scriptures, they will come to see in the stories of the people of Israel, many of their own questions, joys, and difficulties. Consequently, students develop a greater appreciation of their own journeys to understand themselves, each other, and God.

TH201 (Required Sophomore Religion)

Christian Scriptures: CP1 Level

This one semester course follows Hebrew Scriptures and builds upon the Jewish concepts of God and God's relationship with humanity. These understandings take on new meaning with the revelation and insights of Jesus and the early Christian community. This course focuses on the identity of Jesus and his teachings as they are expressed in the Gospels and Epistles. Students learn basic skills in scriptural reading and interpretation. They examine the historical, cultural, and political setting of the region of Palestine at the time of Jesus with an emphasis on the role of women in these texts. As the students explore the teachings of Jesus, they also consider their relevance to their own lives and personal value systems.

TH301 (Required Sophomore Religion)

Catholicism: CP1 Level

Students deepen their understanding of Jesus Christ as they encounter Him in the world and in the living Body of Christ, the Church. During this course, students will grow in recognizing Christ's presence and activity in their lives. They will learn about the historical and scriptural context of the foundation of the Church as well as its visible, vibrant mission and defining characteristics: one, holy, catholic, and apostolic. This course will also include a survey of art, film, music, and literature which enables students to explore various cultural expressions of Christian themes and make meaningful connections with the truths of faith.

TH311 (Required Junior/Senior Religion)

Christian Ethics: CP1 Level

This one semester course in Christian ethics gives students the opportunity to explore and evaluate both secular and Christian ethical philosophies. After surveying a variety of pre-Christian and non-Christian ethical approaches, the students are challenged to consider the difference Christianity might make to one's moral life. This class promotes critical thinking, going beyond the moral minimums to the values associated with the love of God, neighbor, and self. Contemporary moral issues, countless choices, and diverse challenges faced by young people in modern society will form the basis of class research and discussions. The emphasis in this course is placed on the importance of striving to become young women of moral integrity.

TH401 (Junior/Senior Elective)

Social Justice: CP1 Level

This course is designed to help young women find their place in contemporary society as they advocate for charity and justice in the world. Students will be called upon to identify and explore the many injustices in our contemporary society. They will also discover how, in the light of faith and tradition, they might respond to these injustices. Because we are God's presence in the world today, our wisdom and idealism can help establish a just world. Through an in-depth study of Catholic social teaching and examples of the dignity of humanity, we will begin to understand our greater purpose through justice, whose goal is the common good. A highpoint of the course for the students is the lively friendship we enjoy with St. Malachy grade school in the city. They participate in day-long exchanges at Woodlands and at St. Malachy; the theory studied in class is complemented by first-hand experiences.

TH451 (Junior/Senior Elective)

Discovering Women of Faith: CP1 Level

The Book of Wisdom states, "Through every generation, she passes into holy souls and makes them friends of God and prophets" -Wisdom 7:27. This one semester course focuses on the enriching stories of women of faith from many countries, faith backgrounds, and time periods throughout history. These women's friendships with God are diverse and their lives serve as excellent role models for young women of today. The students are challenged to explore and reflect upon their own, evolving relationship with God and the meaning of that relationship with respect to their personal vocation and life choices.

<u>Course #</u>	<u>Title</u>		<u>Course #</u>	<u>Title</u>
AA101*,111**	Art I CP1		MA231	Computer Programming
AA201*,211**	Art II CP1		MA300	Algebra II/Trig Honors
AA301*,311**	Art III CP1		MA301	Algebra II CP1
AA405	AP Art		MA302	Algebra II CP2
AC101*,111**	Ceramics I CP1		MA305	AP Statistics
AC201*,211**	Ceramics II CP1		MA400	PreCalculus Honors
AC301*,311**	Ceramics III CP1		MA401	PreCalculus CP1
AM101*,111**	Chorus CP1		MA405	AP Calculus AB
AM400	Music Theory Honors		MA411	College Algebra CP1
AP101	Photography I CP1		MA505**	AP Calculus BC (spring)
AP201	Photography II CP1		OR101	Symphony Orchestra CP1
CS300	Junior College Skills		PW101*,111**	Physical Wellness
CS400	Senior College Skills		PH101*,111**	Health - 9th Grade
EN100	Literature & Composition Honors		PH201*,211**	Health - 10th Grade
EN101	Literature & Composition CP1		PH301*	Health - 11th Grade (fall)
EN200	World Literature Honors		PH411**	Health - 12th Grade (spring)
EN201	World Literature CP1		SC110	Physics I Honors
EN305	AP English Language		SC111	Physics I CP1
EN311	American Literature CP1		SC200	Chemistry Honors
EN405	AP English Literature		SC201	Chemistry CP1
EN421	Rhetoric & Creative Writing CP1		SC205	AP Chemistry
FA111	Intro to Fine Arts		SC311	Biology CP1
FE101	ESL Level I CP1		SC320	Biology Honors - PreAP
FE201	ESL Level II CP1		SC481	Astronomy CP1
FE301	ESL Level III CP1		SC505	AP Physics I
FE303	ESL III/Advanced ESL CP1		SS100	World Studies Honors
FF101	French I CP1		SS101	World Studies CP1
FF200	French II Honors		SS221	World Studies II CP1
FF201	French II CP1		SS225	AP World History - Modern
FF300	French III Honors		SS301	US History CP1
FF301	French III CP1		SS305	AP US History
FF400	French IV Honors		SS405	AP Psychology
FF401	French IV CP1		SS510	Entrepreneurship & Economics Honors
FF405	AP French Language		SS511	Entrepreneurship & Economics CP1
FL101	Latin I CP1		TH101*	World Religions CP1 (fall)
FL200	Latin II Honors		TH111**	Hebrew Scriptures CP1 (spring)
FL201	Latin II CP1		TH201*	Christian Scriptures CP1 (fall)
FL300	Latin III Honors		TH301**	Catholic Imagination CP1 (spring)
FL301	Latin III CP1		TH311**	Ethics CP1 (spring)
FS101	Spanish I CP1		TH401*	Social Justice CP1 (fall)
FS200	Spanish II Honors		TH451*	Women of Faith CP1 (fall)
FS201	Spanish II CP1			
FS300	Spanish III Honors	Middlebury:	FC200	Chinese II Honors
FS301	Spanish III CP1		FC300	Chinese III Honors
FS400	Spanish IV Honors/Pre-AP			
FS401	Spanish IV CP1	Sophie Connect:	AA305	AP Art History
FS505	AP Spanish Language		MA221*/**	Financial Literacy CP1 (fall or spring)
LP101	Learning Program		MA335	AP Computer Science A
MA101	Algebra I CP1		SS211**	Psychology CP1
MA102	Algebra I CP2		SS505	AP Microeconomics
MA200	Geometry Honors		SS525	AP Macroeconomics
MA201	Geometry CP1		SS535	AP Human Geography
MA202	Geometry CP2		SS545	AP Comparative Government & Politics



WOODLANDS ACADEMY

OF THE SACRED HEART

2019-2020 Academic Curriculum

Department	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English	Literature & Composition CP1 Literature & Composition Honors	World Literature CP1 World Literature Honors	American Literature CP1 AP English Language	Rhetoric & Creative Writing AP English Literature
Fine Arts	Orchestra Freshman Fine Arts	Orchestra Art I Ceramics I Chorus Music Theory, Hnrs & AP Photography I	Orchestra Art I Art II Ceramics I Ceramics II Chorus Photography I Photography II AP Art 2D AP Art Drawing AP Art History Music Theory, Hnrs & AP	Orchestra Art I Art II Ceramics I Ceramics II Chorus Photography I Photography II AP Art 2D AP Art Drawing AP Art History Music Theory, Hnrs & AP
International Languages	ESL I, II, III Chinese I, II, III, IV French I, II, III, IV Latin I, II, III, IV Spanish I, II, III, IV	ESL I, II, III Chinese I, II, III, IV French I, II, III, IV AP French Language Latin I, II, III, IV Spanish I, II, III, IV AP Spanish Language	ESL I, II, III Chinese I, II, III, IV French I, II, III, IV AP French Language Latin I, II, III, IV Spanish I, II, III, IV AP Spanish Language	ESL I, II, III Chinese I, II, III, IV French I, II, III, IV AP French Language Latin I, II, III, IV Spanish I, II, III, IV AP Spanish Language
Mathematics & Computer Science	Algebra I CP2 Algebra I CP1 Geometry Honors Algebra II Trig Honors	Geometry CP2 Geometry CP1 Algebra II Trig Honors Pre-Calculus Honors Computer Programming	Algebra II CP2 Algebra II CP1 Pre-Calculus Honors AP Statistics AP Calculus AB Computer Programming AP Computer Science A	College Algebra CP1 Pre-Calculus CP1 AP Statistics AP Calculus AB AP Calculus BC Computer Programming AP Computer Science A
Physical Wellness	PE & Health	PE & Health	PE & Health Junior College Skills	PE & Health Senior College Skills
Science	Physics CP1 Physics Honors	Physics CP1 Chemistry CP1 Chemistry Honors	Chemistry CP1 Biology CP1 Biology Honors AP Chemistry	Biology CP1 AP Chemistry AP Physics Astronomy
Social Studies	World Studies I CP1 World Studies I Honors	World Studies II CP1 AP World History - Modern	US History CP1 AP US History	AP Comparative Gov't AP Microeconomics AP Macroeconomics AP Psychology Entrepreneurship & Economics Psychology CP1
Theology	World Religions Hebrew Scriptures	Christian Scriptures Catholicism	Christian Ethics Social Justice Women of Faith	Christian Ethics Social Justice Women of Faith

Offerings subject to change / Listing includes Sophie Connect classes